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Another embodiment of the present invention for the CMY (Cyan-Magenta-Yellow) color space is provided in Fig. 8. Fig. 8 denotes a unit array of filters for a tiling pattern, where filters designated by C, Y, and M denote pass filters for the colors cyan, yellow, and magenta, respectively. Note that the unit array of Fig. 8 corresponds to the unit array of Fig. 2 by making the correspondences: C \leftrightarrow B, Y \leftrightarrow G, and M \leftrightarrow R.

In the Claims

Please amend claims 1 and 9 to read as follows:

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1. (Amended Five Times) A color filter array comprising a tiling pattern of pass filters, wherein the tiling pattern has a unit array, the unit array having green, red, blue, and infrared pass filters in relative numerical proportions 4:1:1:2, respectively, wherein each green pass filter in the unit array is contiguous with at least one other green pass filter in the unit array.

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9. (Amended Five Times) A color filter array comprising a tiling pattern of pass filters, wherein the tiling pattern has a unit array, the unit array having yellow, magenta, cyan, and infrared pass filters in relative numerical proportions 4:1:1:2, respectively, wherein each yellow pass filter in the unit array is contiguous with at least one other yellow pass filter in the unit array.

Remarks

Claims 1-16 are presently active, claims 1 and 9 having been amended by this Amendment.

In the office Action dated 13 September 2002, claim 1 was rejected under 35 U.S.C. §102(e) as being anticipated by Inoue et al., U.S. patent 5,926,238 (“Inoue”); claim 9 was rejected under 35 U.S.C. §103(a) as being unpatentable over Inoue; and claims 2-8 and 10-16 were allowed.